

Part Number: PT970-60240

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Front Cross Bar
2	1	Rear Cross Bar
3	2	Cover LH
4	2	Cover RH

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Torque Wrench
2	1	User Manual

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Towels	
Safety Glasses	
Special Tools	Notes
Installation Tools	Notes
VDC approved Torque Wrench	
Ratchet	
Hex	5mm
Special Chemicals	Notes

General Applicability

MY24 GX & Land Cruiser with raised rails
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Recommended Sequence of Application








Item #	Accessory
1	
2	
3	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1	1	Cross Bar Cover Set
2	1	Service Kit
3		

Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
	TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.
	REVISION MARK: This mark highlights a change in installation with respect to previous issue.
	SAFETY TORQUE: This mark indicates that torque is related to safety.
	REGULATORY MARK: This mark indicates the component is related to regulatory compliance

TOYOTA LAND CRUISER HV 2024 - RAISED RAIL CROSS BAR Procedure

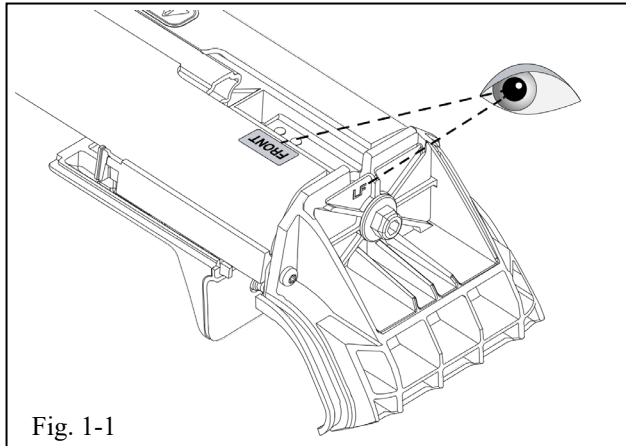
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.

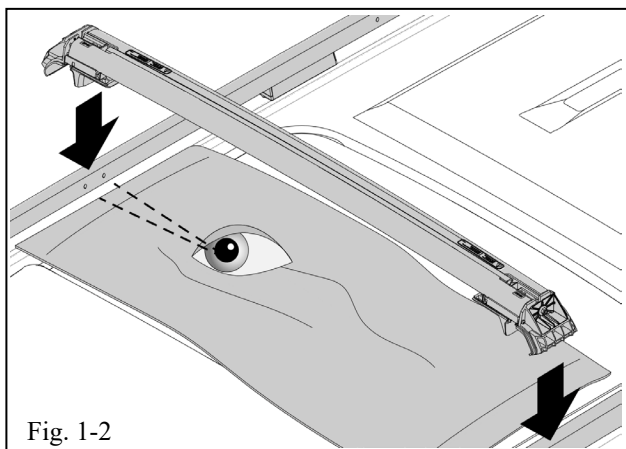


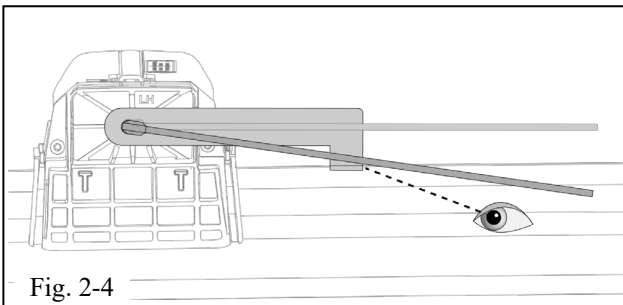
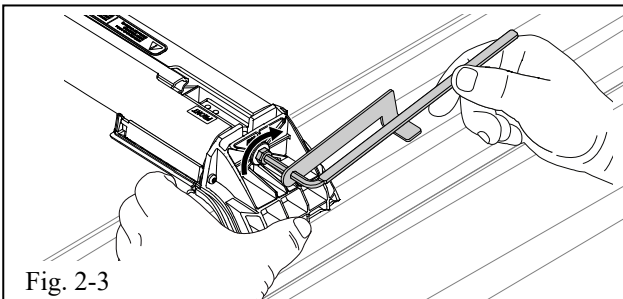
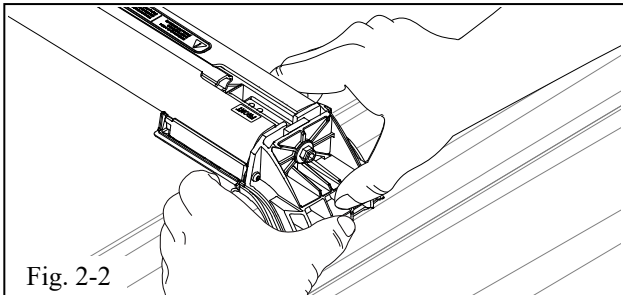
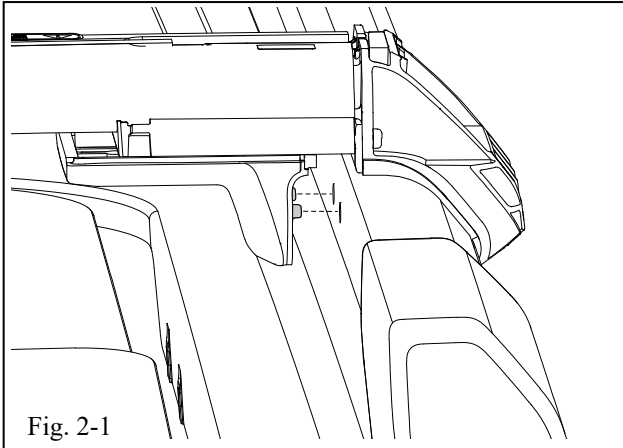
1. Place the front cross bar on the rails.

- (a) Identify the front cross bar by locating the "FRONT" sticker. Identify the left side of the cross bar by locating the embossed "LF" on the front of the stanchion. These stand for left, front cross bar. (Fig. 1-1).



- (b) Use towels to protect your vehicle from getting scratches. (Fig. 1-2).
- (c) Remove the cardboard inserts from the clamps and lower the front cross bar onto the rails near where the holes in the rails are as shown. (Fig. 1-2).
- (d) Place torque tool and user manual in the glove box, if space is limited place items in the center console.

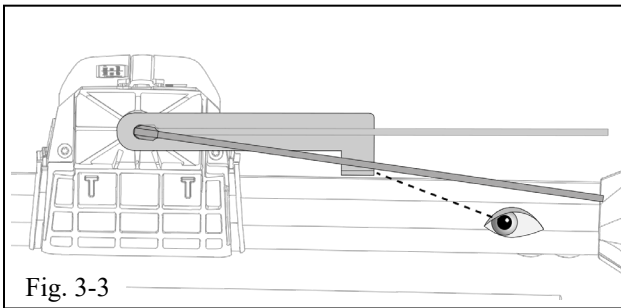
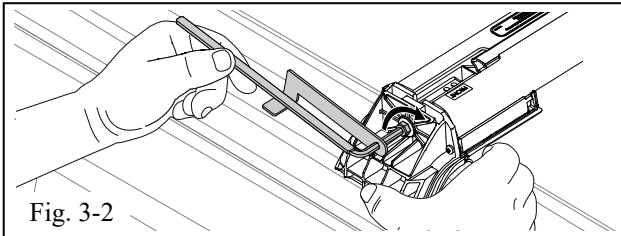
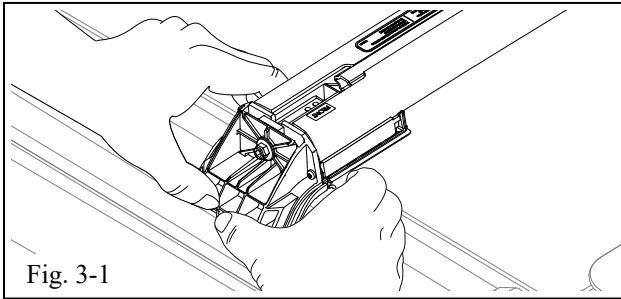




2. Attach the left stanchion to the rail.

- (a) Align the pins on the cross bar with the holes in the rail (Fig. 2-1) Use both hands to close the clamp closed around the rail making sure the pins are inserted into the holes on the rail. (Fig. 2-2).
- (b) Use one hand to hold the clamp closed as you tighten the bolt. Using a VDC approved wrench or provided torque wrench, tighten the bolt until the wrench indicates 14 Nm of torque. (Fig. 2-3). If using supplied torque wrench, the bolt is fully torqued when the metal handle touches the torque indicator as shown. (Fig. 2-4).

Nominal Torque: 14 Nm



3. Move to the passenger side and attach the right stanchion.

- (a) Push the stanchion against the rail. Then pull the clamp against the rail making sure the pins align and are inserted into the rail. (Fig. 3-1).
- (b) Use one hand to hold the clamp closed as you tighten the bolt. Using a VDC approved wrench or provided torque wrench, tighten the bolt until the wrench indicates 14 Nm of torque (Fig. 3-2). If using supplied torque wrench, the bolt is fully torqued when the metal handle touches the torque indicator as shown. (Fig. 3-3).

Nominal Torque: 14 Nm

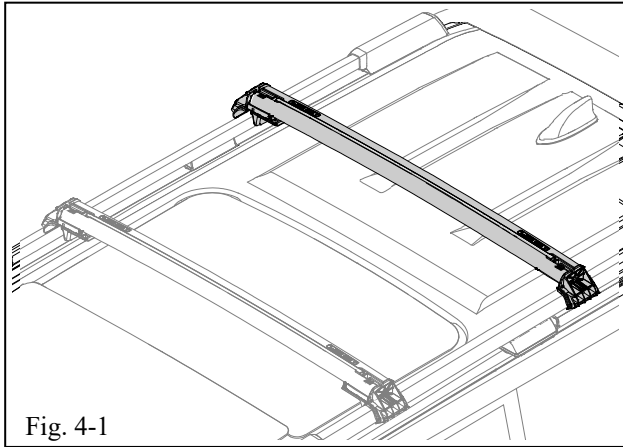


Fig. 4-1

4. Install the rear cross bar.

- (a) Install the rear cross bar in same fashion that you installed the front cross bar. Refer to steps 1-3 and apply them to the rear cross bar. (Fig. 4-1).

5. Install the covers

- (a) Identify the proper cover for the left hand (LH) and right hand (RH) sides by referring to the embossed letters on the inside of each cover. (Fig. 5-1).
- (b) Install the cover by hooking the bottom of the cover under the stanchion (Fig. 5-2) and rotating it into place. (Fig. 5-3). Pinch with both hands to seat the cover and listen for the audible click as it snaps into place. Repeat for the other side.

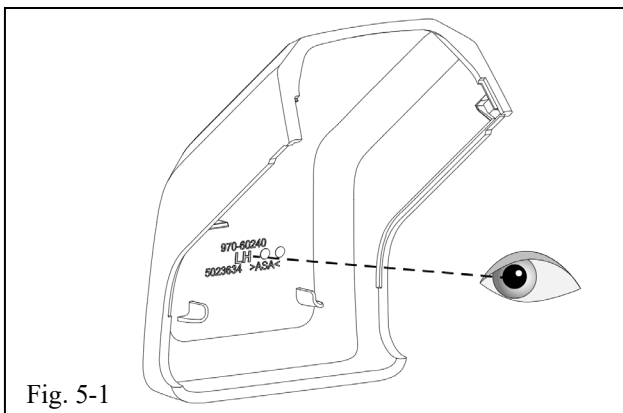


Fig. 5-1

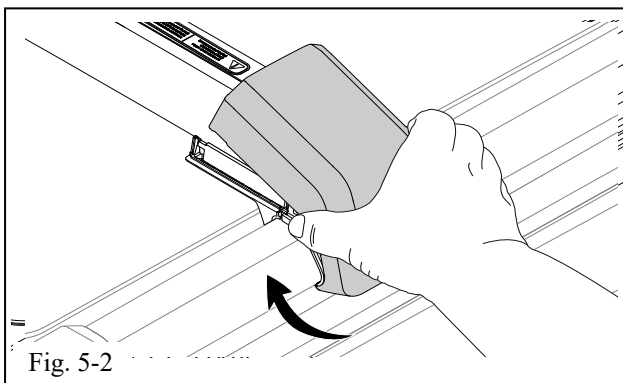


Fig. 5-2

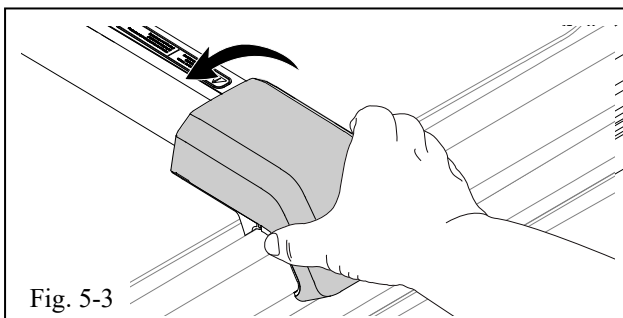


Fig. 5-3

TOYOTA LAND CRUISER HV 2024 - RAISED RAIL CROSS BAR

Checklist - these points **MUST** be checked to ensure a quality installation.

<u>Check:</u>	<u>Look For:</u>
<u>Accessory Function Checks</u> <input type="checkbox"/> Verify cross bars are firmly attached to rails. <input type="checkbox"/> Verify covers are securely attached. <input type="checkbox"/> User's Manual and Torque Tool	 Cross bars do not move when pushed and pulled in all directions. Covers are fully seated and securely attached. Ensure user's manual and torque tool are inside vehicle glove box or center console if space is limited.
<u>Vehicle Function Checks</u> <input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection	 Ensure no damage (including scuffs and scratches) was caused during the installations process. (For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)
<u>Vehicle Appearance Check</u> <input type="checkbox"/>	